

Title (en)

ARRAY SUBSTRATE, LIQUID CRYSTAL DISPLAY PANEL AND LIQUID CRYSTAL DISPLAY

Title (de)

ARRAYSUBSTRAT, FLÜSSIGKRISTALLANZEIGETAFEL UND FLÜSSIGKRISTALLANZEIGE

Title (fr)

SUBSTRAT EN RÉSEAU, PANNEAU D’AFFICHAGE À CRISTAUX LIQUIDES ET DISPOSITIF D’AFFICHAGE À CRISTAUX LIQUIDES

Publication

**EP 2878994 B1 20200506 (EN)**

Application

**EP 12878646 A 20121212**

Priority

- CN 201210265619 A 20120727
- CN 2012086471 W 20121212

Abstract (en)

[origin: EP2878994A1] An array substrate(6), a liquid crystal display panel and a liquid crystal display, and the array substrate(6), corresponding to a plurality of pixel regions, each of which comprises a second electrode(2) and a third electrode(3) on a side close to a liquid crystal-layer(30), the second electrode(2) comprising at least one second electrode strip, the third electrode(3) comprising at least one third electrode strip; each of the pixel regions of the array substrate(6) further comprising a fourth electrode(4) on the side close to the liquid crystal layer(30), the fourth electrode(4) comprising at least one fourth electrode strip located between the second electrode strip and the third electrode strip that are adjacent; and an electric potential of the fourth electrode(4) falling between an electric potential of the second electrode(2) and an electric potential of the third electrode(3).

IPC 8 full level

**G02F 1/1343** (2006.01); **G02F 1/13** (2006.01); **G09G 3/00** (2006.01)

CPC (source: EP US)

**G02F 1/134309** (2013.01 - US); **G02F 1/134363** (2013.01 - EP US); **G02F 1/13439** (2013.01 - US); **G09G 3/3648** (2013.01 - EP US); **G02F 1/133742** (2021.01 - EP US); **G02F 1/134381** (2021.01 - EP US); **G09G 2300/0426** (2013.01 - EP US); **G09G 2300/0447** (2013.01 - EP US); **G09G 2300/0852** (2013.01 - EP US); **G09G 2320/0233** (2013.01 - EP US)

Citation (examination)

- US 2006232537 A1 20061019 - KIM KWANG-MIN [KR], et al
- US 2009040449 A1 20090212 - JO YOUNG-JIK [KR], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2878994 A1 20150603**; **EP 2878994 A4 20160309**; **EP 2878994 B1 20200506**; CN 102789100 A 20121121; CN 102789100 B 20150121; US 10061169 B2 20180828; US 2015219952 A1 20150806; WO 2014015621 A1 20140130

DOCDB simple family (application)

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